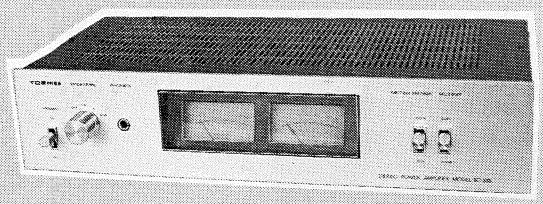
SERVICE DATA
FILE NO. 170-053

TOSHIBA

STEREO POWER AMPLIFIER

SC-335



SPECIFICATIONS

Continuous Power Output		Power Band Width (IHF):	5 Hz ~ 50 kHz
20 ~ 20 kHz both ch. driven:	43W x 2 (4 ohm), 36W x 2 (8 ohm)	Damping Factor:	25
1 kHz both ch. driven:	50W x 2 (4 ohm), 38W x 2 (8 ohm)	S/N (IHF A Network):	95 dB
Total Harmonic Distortion:	0.1% (at rated power) 0.05%(at 1W)	**General**	
Frequency Response:	5 Hz ~ 80 kHz (±1 dB)	Power Supply:	AC 220V, 50 Hz (Europe) AC 240V, 50 Hz (England)
		Power Consumption:	280W
		Weight:	6.1 kg
		Dimensions (W x H x D):	420 x 96 x 241 (mm)

1. OPERATING CONTROLS

FRONT VIEW

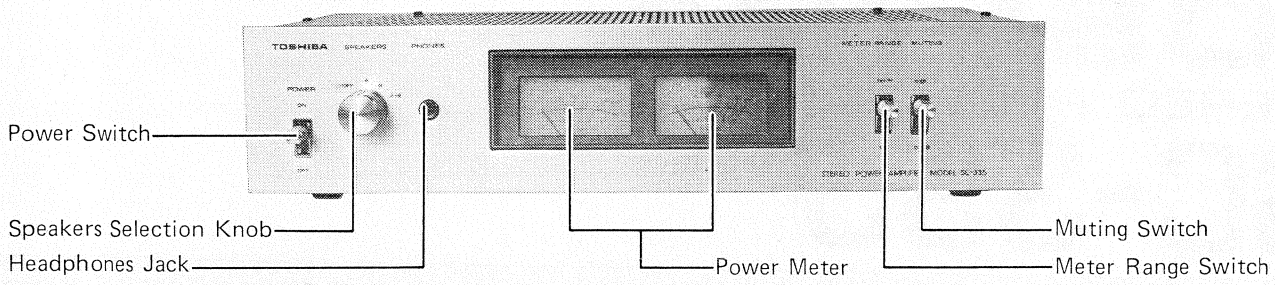


Figure 1.

REAR VIEW

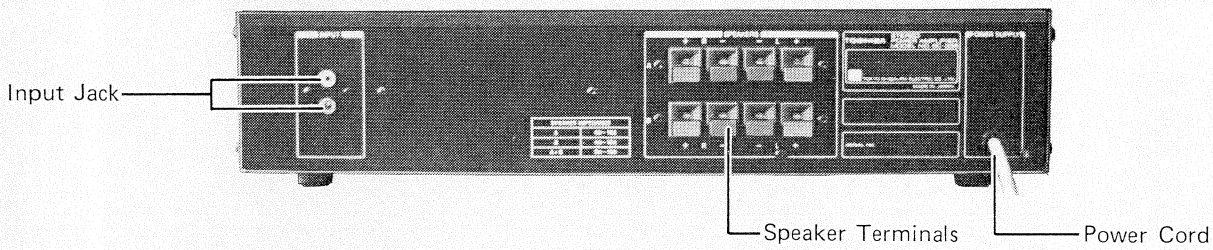


Figure 2.

2. DISASSEMBLY INSTRUCTIONS

TOP COVER REMOVAL

Remove six screws ①. See figure 3.

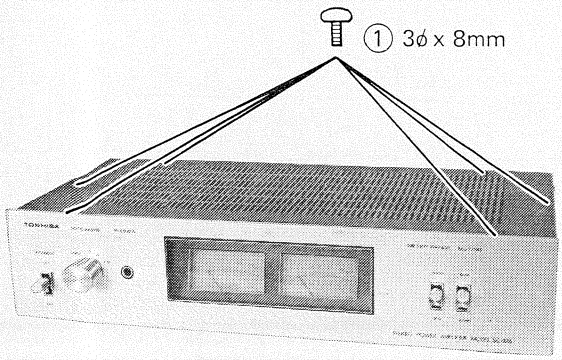


Figure 3.

BOTTOM COVER REMOVAL

Remove four screws ②. See figure 4.

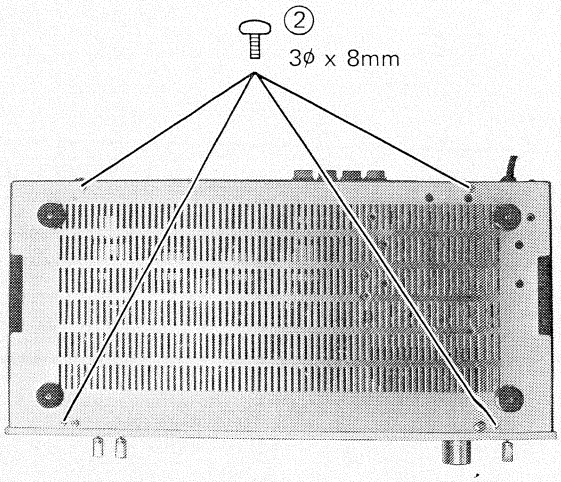


Figure 4.

FRONT PANEL REMOVAL

Remove the Top Cover and Bottom Cover. See figure 3 and 4.
Remove four knobs ③. See figure 5.
Remove two screws ④. See figure 5.

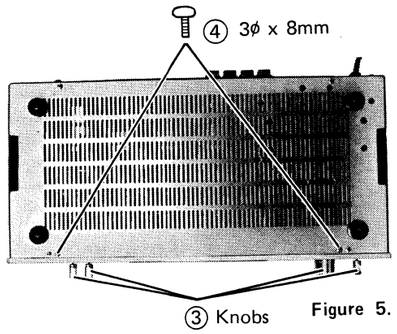


Figure 5.

POWER METER REMOVAL

Remove the Top Cover and Bottom Cover. See figure 3 and 4.
Remove two Plastic Rivets ⑤. See figure 6.
Remove the Lighting Plate ⑥ (CABINET PARTS 322). See figure 6.
The power meter can be removed from the bottom.

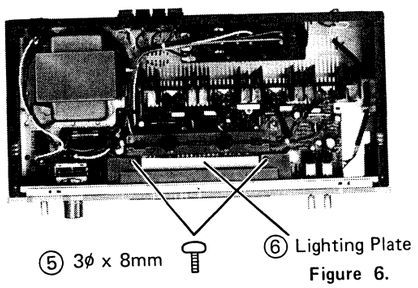


Figure 6.

3. ADJUSTMENTS INSTRUCTIONS

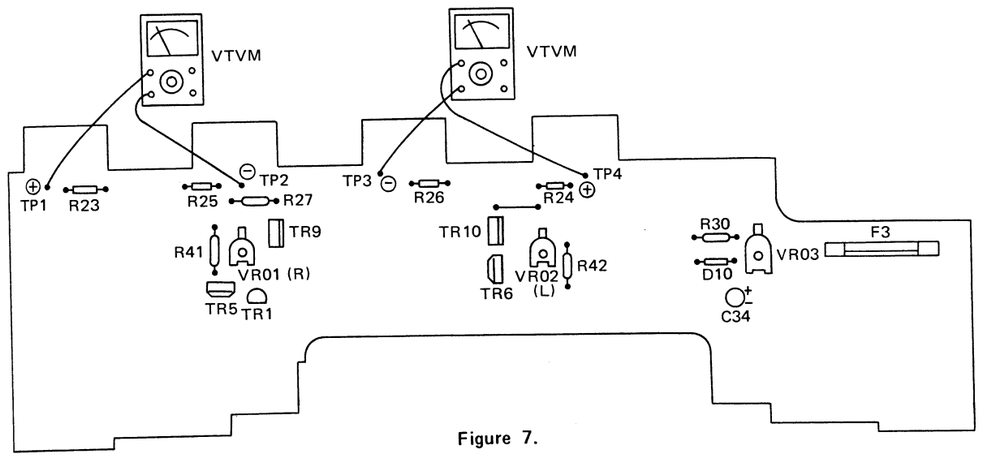


Figure 7.

IDLE POWER ADJUSTMENT

■ RIGHT CHANNEL ADJUSTMENT
- Connect a DC voltmeter (test range 0.3V) to test points TP1 and TP2.
- Adjust VR1 for 5.0 ~ 6.0mV.
- Proceed with the adjustment in 30 seconds after the power switch is turned on.

■ LEFT CHANNEL ADJUSTMENT
- Connect a DC voltmeter (tester range 0.3V) to test points TP3 and TP4.
- Adjust VR2 for 5.0 ~ 6.0mV.
- Proceed with the adjustment in 30 seconds after the power switch is turned on.

METER ADJUSTMENT

- Set the meter for 100W indication.
- Adjust input ATT so the output is 12.7V using 8 ohm impedance speakers and with the both channels driven.
- Make certain the deflection of right channel meter pointer is kept within 16W ~ 33W.
- Adjust VR03 so the deflection of left channel meter pointer is equal to that of right channel.

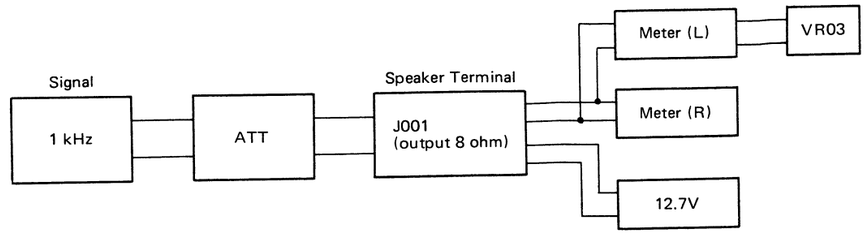
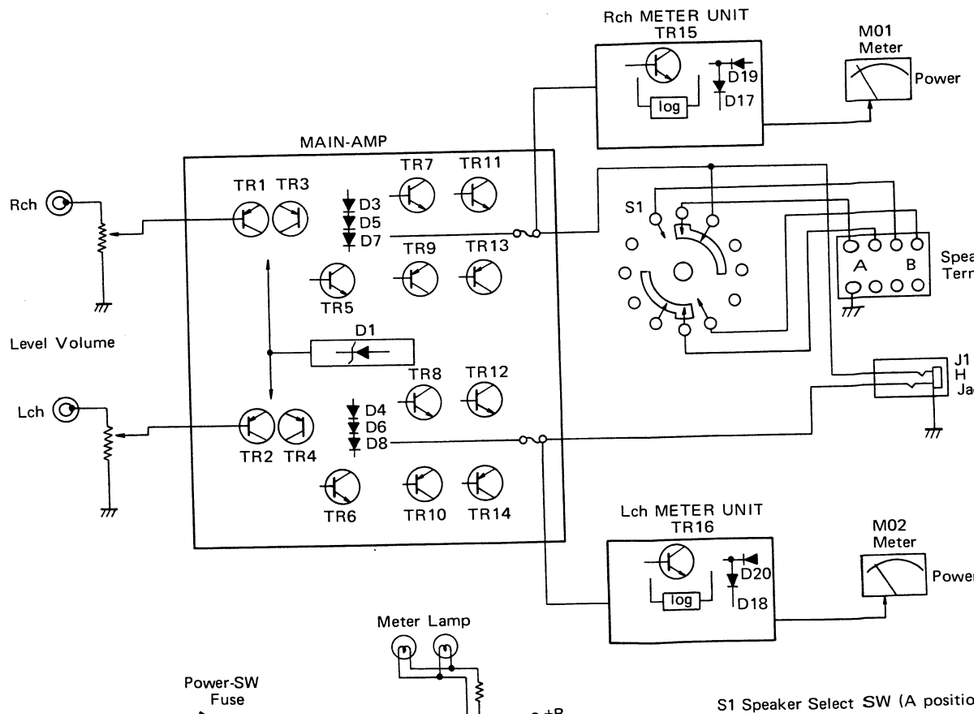


Figure 8.

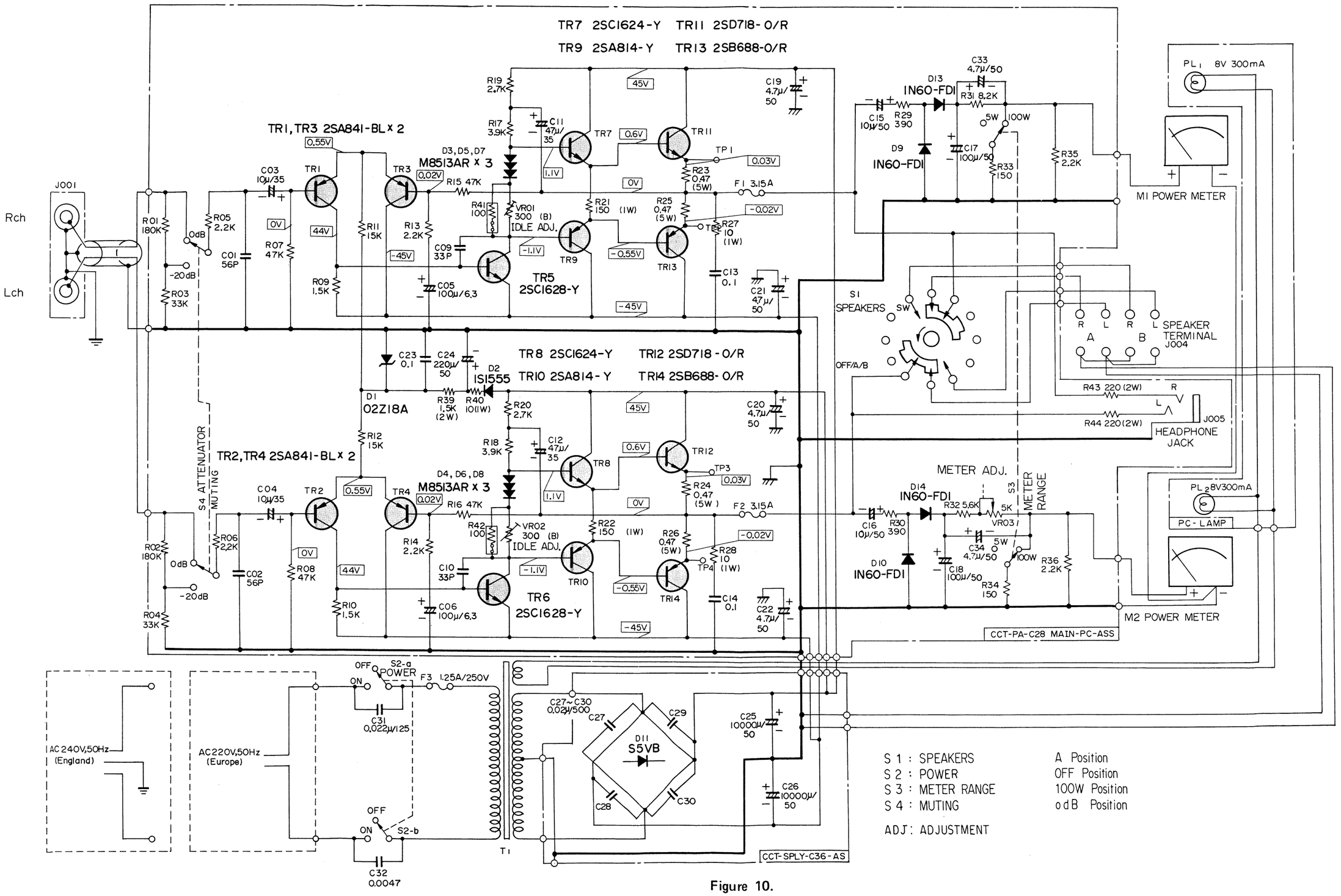
4. BLOCK DIAGRAM



S1 Speaker Select SW (A position)

Figure 9.

5. SCHEMATIC DIAGRAM



S 1 : SPEAKERS — A Position
S 2 : POWER — OFF Position
S 3 : METER RANGE — 100W Position
S 4 : MUTING — odB Position

ADJ : ADJUSTMENT

Figure 10.

6. ELECTRICAL PARTS LOCATIONS

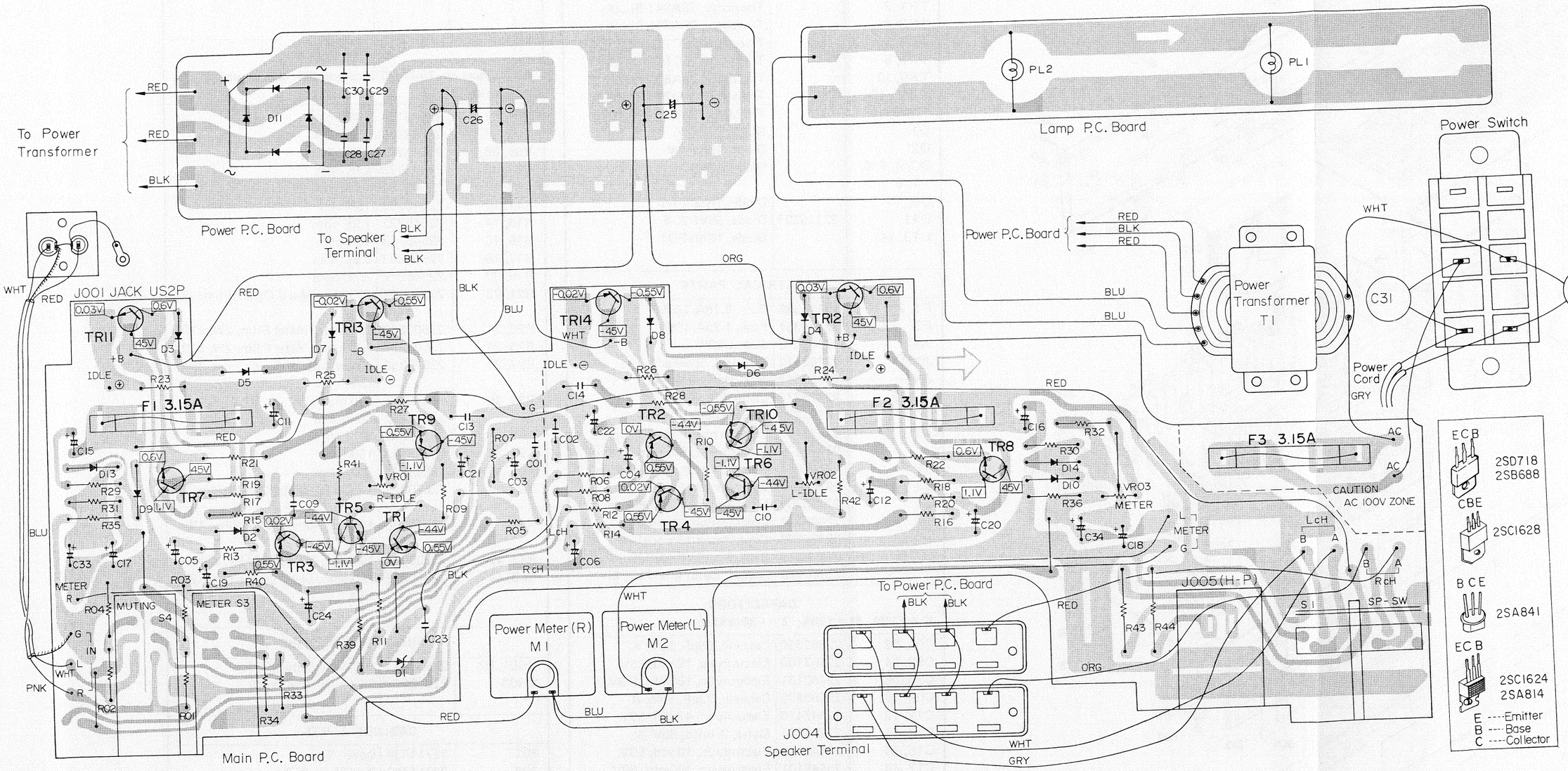


Figure 11.

7. CABINET PARTS LOCATIONS

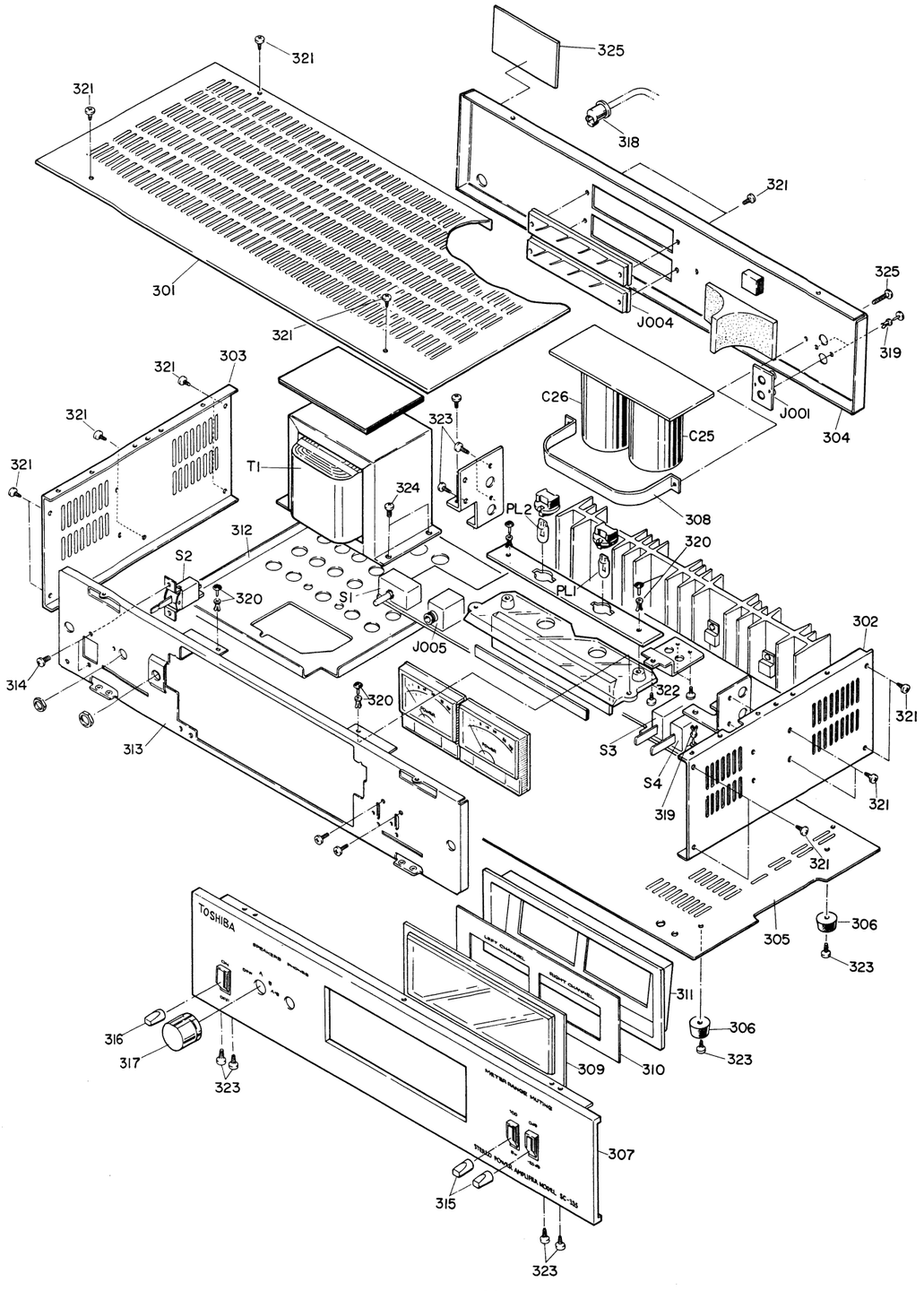


Figure 12.

8. PARTS LIST

Symbol No.	Part No.	Description
TRANSISTORS AND DIODES		
TR1, 2		Transistor, 2SA841-BL.JA
TR3, 4		Transistor, 2SA841-BL.JA
TR5, 6		Transistor, 2SC1628-Y.JA
TR7, 8		Transistor, 2SC1624-Y.JA
TR9, 10		Transistor, 2SA814-Y.JA
TR11, 12		Transistor, 2SD718-O-R/O
TR13, 14		Transistor, 2SB688-O-R/O
D1		Diode, 02Z18A
D2		Diode, 1S1555V
D3, 4, 5, 6, 7, 8		Diode, M8513A-R
D9, 10		Diode, 1N60-FD1
D11	22115397	Diode, S5VB20-F
D13, 14		Diode, 1N60-FD1
ELECTRICAL PARTS		
F1, 2	22144385	Fuse, 3.15A/250V
F3	22144357	Fuse, 1.25A/125V
J001	22163613	Jack, US2P
J004	22162412	Terminal, Speaker
J005	22163617	Jack, Headphone
PL1, 2	22113377	Lamp, 8V, 30mA
M1, 2	22104388	Meter, Power
T1	22223173	Transformer, Power (Europe)
	22223174	Transformer, Power (England)
S1	22195053	Rotary Switch, Speaker Select
S2	22195049	Lever Switch, Power
S3	22146201	Lever Switch, Meter Range
S4	22146201	Lever Switch, Muting
	22176286	Cord, Power (Europe)
	22176547	Cord, Power (England)
	22116092	Socket, Lamp (For PL1, 2)
CAPACITORS K = ±10%, M = ±20%, Z = –20 to +80%		
C01, 02	22362560	Ceramic, 56pF, 50V, K
C03, 04	22467100	Electrolytic, 10mfd, 35V
C05, 06	22462101	Electrolytic, 100mfd, 6.3V
C09, 10	22362330	Ceramic, 33pF, 50V, K
C11, 12	22447470	Electrolytic, 47mfd, 35V
C13, 14	22373104	Mylar, 0.1mfd, 50V, M
C15, 16	22448100	Electrolytic, 10mfd, 50V
C17, 18	22448101	Electrolytic, 100mfd, 50V
C19, 20	22448479	Electrolytic, 4.7mfd, 50V
C21, 22	22448479	Electrolytic, 4.7mfd, 50V
C23	22373104	Mylar, 0.1mfd, 50V, M
C24	22448221	Electrolytic, 220mfd, 50V
C25, 26	22430063	Electrolytic, 10000mfd, 50V
C27, 28, 29, 30	22340032	Ceramic, 0.02mfd, 500V, Z
C31, 32	22340090	Ceramic, 0.0047mfd, 250V, Z
C33, 34	22448479	Electrolytic, 4.7mfd, 50V
RESISTORS All resistors are 1/4W, ±5%, carbon film resistor unless otherwise noted.		
R01, 02	22545184	180K ohm
R03, 04	22545333	33K ohm
R05, 06	22545222	2.2K ohm
R07, 08	22545473	47K ohm
R09, 10	22545152	1.5K ohm
R11, 12	22545153	15K ohm
R13, 14	22545222	2.2K ohm
R15, 16	22545473	47K ohm
R17, 18	22545392	3.9K ohm
R19, 20	22545272	2.7K ohm
R21, 22	22570264	150 ohm, Metal Oxide Film, 1W, ±5%
R23, 24	22500237	0.47 ohm, Metal Film, 2W, ±10%
R25, 26	22500237	0.47 ohm, Metal Film, 2W, ±10%
R27, 28	22570250	10 ohm, Metal Oxide Film, 1W, ±5%
R29, 30	22545391	390 ohm
R31	22545822	8.2K ohm
R32	22545562	5.6K ohm
R33, 34	22545151	150 ohm
R35, 36	22545222	2.2K ohm
R39	22570321	1.5K ohm, Metal Oxide Film, 2W, ±5%
R40	22570250	10 ohm, Metal Oxide Film, 1W, ±5%
R41, 42	22500122	100 ohm, Fusible, 1/4W, ±5%
R43, 44	22570311	220 ohm, Metal Oxide Film, 2W, ±5%
VARIABLE RESISTORS		
VR01, 02	22658393	300 ohm, Semi-fixed
VR03	22658179	5K ohm, Semi-fixed
CABINET PARTS		
301	22711534	Cover, Top
302	22711449	Side Plate, Right
303	22711462	Side Plate, Left
304	22711566	Plate, Jack
306	22874033	Leg
307	22821366	Panel Ass'y
309	22837311	Cover, Meter
310	22843580	Decoration, Meter
311	22831511	Bracket, Meter

Symbol No.	Part No.	Description
315	22824196	Knob, Lever, Muting/Meter Range
316	22824215	Knob, Lever, Power
317	22826134	Knob, Speaker Select
318	25845528	Nylon Bush, Power Cord
319	22705020	Rivet, Plastic, 3ϕ x 4.5mm
320	22705022	Rivet, Plastic, 3ϕ x 5.5mm
321	22701326	Tapping Screw, 3ϕ x 8mm
322	22837309	Plate, Lighting
324	22707040	Screw, 4ϕ x 6mm
325	22950775	Nameplate (England)
ACCESSORY		
	22902034	Owner's Manual